

The College

PSG College of Technology, a premier institution for engineering education in India, started in 1951 has developed into a centre for advanced studies and research in several areas of engineering, technology, applied sciences and management. The college is autonomous since 1978 and is certificated by ISO. The college offers 21 under graduate and 43 postgraduate programs and research programs leading to MS/Ph.D. degrees. The laboratories, workshops and library of the college are all well equipped with modern facilities suitable for learning and research.

Production Engineering Department

As manufacturing activities play a major role in the development of the country, PSG College of Technology envisaged the need for trained manpower in manufacturing and thus the undergraduate programme in Production Engineering was started in the year 1975. Department offers two graduate (B.E. Production Engineering (Regular – 4 years), B.E. Production Engineering (Sandwich – 5 years)) programmes and four post-graduate (Manufacturing Engineering; Product Design and Commerce; Virtual Prototyping and Digital Manufacturing; Production Engineering (Part-Time)) programmes. The programmes are accredited by National Board of Accreditation (NBA) continuously. All the laboratories of the department are approved for carrying out

research, leading to MS/Ph.D. degree by Anna University, Chennai.

About the Workshop

The classical material for armour personnel as well as vehicles for protection against incoming projectiles, missiles and other weaponry has been steel. The last century saw a tremendous increase in the penetrating power of armaments from handheld guns to automatic rifles, artillery, missiles and explosive ordnance, requiring protection systems with higher resistance to damage and penetration. Due to the high density of steel, the use of larger steel thickness to increase protection is no longer a viable option and armour manufacturers have started looking for advanced composite materials to enhance armour protection. These materials have very high specific strength and specific stiffness in comparison to steel and offer greater flexibility and tailorability with reduced weight and greater mobility.

This workshop is intended to cover the applications of advanced composites materials for both personnel armour and military vehicles.

Topics Covered

- Processing of polymer composite materials
- Composite materials for body armour
- Composite materials for armour protection of vehicle
- Simulation of high velocity impact on composite material
- Ballistic impact testing of composites

TEQIP - III Sponsored
One-day National Workshop

on

“Composite Materials for Armour Applications”

January 25th, 2018

Organized by



&

TEQIP-3

Technical Education Quality Improvement Programme

Department of Production Engineering,

PSG College of Technology,

Peelamedu, Coimbatore - 641004.

Objective

The objective of the workshop is to setup a platform for efficient exchange of knowledge on demands in design and manufacturing of composites for armour applications among industrial experts, academicians, researchers and end users.

Organizing Committee

- Chief Patron Shri. L. Gopalakrishnan
Managing Trustee
PSG Institutions.
- Patron Dr. R. Rudramoorthy
Principal
PSG College of Technology.
- Chairman Dr.K.Prakasan
Professor & Head
Dept. of Production Engineering
PSG College of Technology.

Co-ordinators

- Dr. V.Krishnaraj, Associate Professor,
vkrishtaraj@hotmail.com
- Dr. M.Senthilkumar, Associate Professor,
msenthil_kumar@hotmail.com
- Mr. R.Naveen Anthuvan, Assistant Professor,
naveenanthuvan@gmail.com
Department of Production Engineering,
PSG College of Technology, Peelamedu,
Coimbatore – 641004.

Resource Persons

1. **Dr. R. Velmurugan**, Professor,
Dept. of Aerospace Engineering, IIT Madras.
2. **Dr. Krishna Shankar**, Professor,
UNSW, Australia.
3. **Dr. V. Krishnaraj**, Associate Professor,
Dept. of Production Engineering,
PSG College of Technology, Coimbatore.

Registration

Filled-in registration form is to be submitted along with the DD for registration fee (inclusive of GST-18%) drawn in favour of “PSG CNCE” payable at Coimbatore.

Students/ Academicians: Rs 1000/-
Industry Participants: Rs.1500/-

Registration fee includes reference material, tea and lunch.

*Students should submit a bona fide certificate from their Head of the Institution.

Selection

The course coordinators reserve the right of selection of participants. The seats are limited to 50 candidates. The preference will be on first-come-first-serve basis. The intimation regarding selection will be sent to the candidates by email. Certificates will be issued to the participants only after attending the complete workshop. No TA/DA will be paid to the participants.

Mailing Address

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TEQIP III Sponsored One-day National
Workshop on “**Composite Materials for
Armour Applications**”

January 25th, 2018

APPLICATION FORM

Name (in Block Letters):.....

DOB:

Gender: Male/ Female

Category: ST/SCA/SC/BC/BCM/MBC/DNC/OC

Designation:.....

Department:.....

Organization:.....

Type of Organization: TEQIP/ NON-TEQIP
Address for Communication:

Office phone:

Mobile:.....

E-mail ID:

Physically Challenged: Yes / No
Demand Draft No & Date: Bank :

Amount : Rs...../- (Non Refundable)

Declaration

The given information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the programme. If selected, I shall attend the workshop for the entire duration.

Place :

Date :

Signature of the Applicant